

## 90523 Electrical Systems Problems

Standard	Topic	Yr 13 Physics Study Guide	Continuing Physics
AS 90523 Electrical systems	Kirchoff's rules And circuits, internal resistance and emf	P 210 nos. 1, 3, 4 P 215 nos. 2, 4, 6	P 105 no. 2 P 107 no. 6 P 108 nos. 2, 4, 5
	Capacitance	P 224 nos. 2, 3 P 228 nos. 2, 3, 5 P 233 nos. 1, 3	P 115 no. 2 P 116 nos. 3, 5 P 120 no. 1
	Induction Magnetic flux transformers	P 243 nos. 1, 2, 3, 4 P 247 nos. 3, 4	P 129 nos. 4, 5 P 132 no. 7 P 133 no. 8 P 149 no. 5
	Mutual inductance	P 253 nos. 1, 2, 3	P 137 no. 9
	Self inductance	P 253 nos. 4, 5 P 256 nos. 1, 2, 4, 5	P 142 no. 10
	AC generation and rms values rectification of ac	P 265 nos. 1a, 2a, 3a	P 151 no. 2 P 166 no. 1 P 169 no.
	Capacitor reactance	P 269 nos. 1, 2, 3	P 153 no. 3
	RC circuits and impedance	P 275 nos. 1, 2 P 279 nos. 1, 2	P 120 nos. 3, 5 P 158 no. 5 P 166 no. 2
	Inductor reactance	P 282 nos. 1, 2	P 155 no. 4 P 172 no. 8
	RL circuits and impedance	P 286 nos. 1, 2	P 160 no. 7 P 166 no. 3
	LCR circuits and resonance	P 289 nos. 1, 2 P 293 nos. 1, 2, 5	P 163 no. 8 P 167 no. 4 P 171 no. 7